PRAKRITI - STUDENTS AWARENESS PROGRAMME CONDUCTED ON 01.11.2022

Under “PRAKRITI”, Institute of Forest Genetics & Tree Breeding, Coimbatore organized an online awareness programme in collaboration with the CUBE, an NGO organization, Coimbatore for different colleges from Coimbatore *viz.,* Government Arts College, Sri Krishna Arts and Science College, Sri Ramakrishna College, Sri Sakthi Engineering College, etc. During the programme, 20 students were participated. The main aim of conducting this programme was to create environmental conservation awareness among school and college students related to environment conservation. Smt. B.Sunitha, Chief Technical officer briefed about the “PRAKRITI” program and IFGTB and its contribution towards environment and society. They were also briefed about the biodiversity issues and environmental issues in conservation.

Dr. R. Archana, Scientist- B, IFGTB, Forest Genetics and Tree Improvement division, delivered a lecture on “Forest Genetics and Application” on 01.11.2022.

During the lecture, she briefed about the study of DNA genes, chromosomes, heredity variation, mutation traits, etc. The speaker informed the gathering about the genetic disorders will be cured by using genetic engineering technologies and concepts and sources of variation in forests. She explained about the description on significance of chromosomes and various laws and evolvement of the branches of main genetics and evolution of plants. She explained the DNA markers and molecular markers using in Forest genetics and tree breeding and mentioned that the forest genetics directly enhances the economic and social value of the plantation. The biotechnological studies include insertion of novel genes and genetic engineering. Testing goodness of fit or the chi-square was also mentioned. The application of Forest Genetics were highlighted which deals with the genetic principles in unique life form, study of natural evolution on large scale, genetic structure of forest tree species and application of silviculture and reforestation operation.